COMMUNICATIONS PANEL, 623323 AND 623324
INSTALLATION AND TEST

This Section provides instructions to install and test the 623323 (rotary dial) or 623324 (pushbutton dial) communications panel.

This Section was reissued to revise the format.

Physical installation consists of mounting the panel in the relay rack. Electrical installation consists of connecting a type 50 Amphenol-type 25-pair cable to the panel and terminating the stub end at the key system.

Note: There are no field-selectable options on this unit.

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CHART 1

INSPECTION

APPARATUS:

None

STEP	PROCEDURE
1	Remove equipment from shipping carton(s).
2	Perform an inventory to verify that all equipment listed on packing list is present.
3	Inspect the equipment for shipping damage. Report any damage to carrier immediately.

CHART 2

INSTALLATION

APPARATUS:

1—Soldering iron and solder

Standard hand tools as required (see Section ITTR-18-400)

STEP	PROCEDURE
1	Remove the four screws holding the cover over the bay cutout for the communications panel.
	Note: The bay cutout is located on the right side of the upright flange on T324 and D448 prewired bays.
2	Measure and record length of 25-pair 22AWG cable required to run between key system and panel. Provide enough extra length to permit removing panel from the bay upright.
3	Cut 25-pair cable to length.
4	Connect 25-pair cable to 50-pin connector (Amphenol 50-20500.7 or equivalent) provided with the panel. Refer to Table A for connections.
5	Connect 25-pair cable to office key system per key system installation manual.
	Note: Perform Step 6 only when an external audible signaling device is to be connected.
6	Solder external audible signaling device leads to terminals E1 and E2. See Fig. 1 for terminal location (EXTERNAL COMMON AUDIBLE).
	Note: Perform Step 7 only when a Group -003 or -004 unit is being installed.
7	Connect orderwire pair to terminals TB1-1 and TB1-2. See Fig. 1 for terminal location (ORDERWIRE BELTLINE).
8	Mate 50-pin connector with panel connector J1 and fasten with connector screws. See Fig. 1 for connector location.
9	Secure panel in upright flange cutout with four screws (removed in Step 1).

CHART 2 (CONT)

TABLE A

LEAD ASSIGNMENT FROM COMMUNICATIONS PANEL KEY TO OFFICE KEY SYSTEM

LINE SELECT KEY	LEAD COLOR	LEAD DESIGNATION	PLUG TERM.
	BL-W	R	1
1	W-BL	T	26
(Blue	W-O	A	27
plug)	G-W	L	3
	W-G	LG	28
	BR-W	R	4
2	W-BR	T	29
(Orange	W-S	A	30
plug)	BL-R	L	6
	R-BL	LG	31
	O-R	R	7
3	R-O	T	32
(Green	R-G	A	33
plug)	BR-R	L	9
	R-BR	LG	34
	S-R	R	10
4	R-S	T	35
(Ivory	BK-BL	A	36
plug)	O-BK	L	12
	BK-O	LG	37
	G-BK	R	13
5	BK-G	T	38
(Slate	BK-BR	A	39
plug)	S-BK	L	15
	BK-S	LG	40
	BL-Y	R	16
6	Y-BL	T	41
(White	W-R	A	14
plug)	G-Y	L	18
	Y-G	LG	43

LINE SELECT KEY	LEAD COLOR	LEAD DESIGNATION	PLUG TERM.
	BR-Y	R	19
7	Y-BR	T	44
(Red	R-W	A	11
plug)	BL-V	L	21
	V-BL	LG	46
	O-V	R	22
8	V-O	T	47
(Black	G-R	A	8
plug)	BR-V	L	24
	V-BR	LG	49
	S-V	R	25
9	V-S	T	50
(Yellow	W-S	A	5
plug)	G-V	L	23
	V-G	LG	48
ADDITIONAL LEADS			
HOLD (Pink plug)	O-W	A1	2
Stored	O-Y	Spare	17
Stored	Y-O	Spare	42
Net. E2	S-Y	R1 (20 Hz)	20
Net. E1	Y-S	B1 (GRD)	45

CHART 2 (CONT)

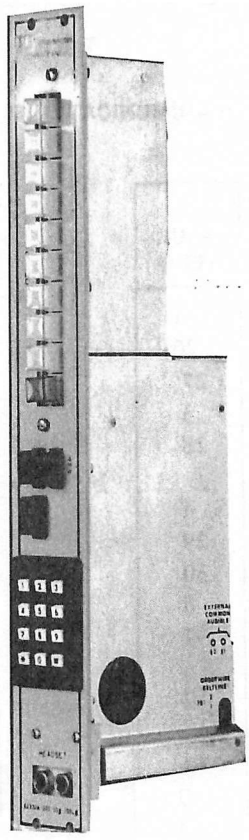

Fig. 1—Communications Panel Assembly (Pushbutton Dial Shown)

CHART 3

TESTING

APPARATUS:

None

STEP	PROCEDURE
1	Plug dual 310 plug-equipped operator headset into headset jacks on front of panel.
2	Push HKSW button, then sequentially push LINE SELECT keys.
	Requirement: As each LINE SELECT key is pushed, the associated key lamp turns on steady and dial tone is heard in the operator headset.
3	With HKSW button and a LINE SELECT key still operated, push and release red HOLD key.

CHART 3 (CONT)

STEP	PROCEDURE
	Requirement: The operated LINE SELECT key lamp changes from steady on to winking (approximately 120 ipm).
4	Repeat Step 3 for each LINE SELECT key.
5	Remove all lines from HOLD by sequentially pushing each LINE SELECT key, then push and release HKSW button.
	Requirement: All LINE SELECT key lamps should turn off.
6	Push HKSW button and a LINE SELECT key.
	Requirement: Operated LINE SELECT key lamp turns on steady and dial tone is heard.
7	Dial another line and, with the aid of other personnel, verify that a call can be completed between communications panels via the key system.
8	Operate HOLD key.
	Requirement: LINE SELECT key being used changes from steady on to winking (120 ipm).
9	Retrieve call from HOLD by pushing the winking LINE SELECT key.
	Note: Perform Step 10 only if BLA button is wired up.
10	Momentarily push BLA button and relocate your operator headset from the panel to an orderwire jack appearance.
	Requirement: All wired orderwire jack appearances allow two-way conversation with distant party by way of the panel.
11	Terminate call by momentarily pushing HKSW button.